SAF-RC-030 Remaining Sites Confirmation Sampling Other Solid FINAL DATA PACKAGE

COMPLETE COPY OF DATA PACKAGE TO:

Kathy Wendt

H4-21

KW 3/10/08 NITIAL/DATE

COMMENTS:

SDG 08I-0293-01

SAF-RC-030

Rad only

X Chem only

Rad & Chem

 $\underline{\mathbf{X}}$ Complete

Partial

Waste Site: 100-F-44:8







Cover

Report Identification Number: 08I-0293-01

Subcontract Number: 000X-B0-G0058-B-MOD# 14

Name of Industrial Hygienist: Gwen Whatley / Ilene Strong / Garrett Knutson

Laboratory Identification Number: DCHM

SAF#: RC-103 / C00F44A000

Payroll#:

MAR 2008 ain Fauver

| Sample Inform | auon | | | | , |
|---------------|----------|------------|------------|----------------|---------------|
| | Customer | Laboratory | | Analytical | |
| | Sample | Sample | | Batch | |
| Sample Date | Number | Number | Method | Identification | Sample Matrix |
| 21 Feb 2008 | J169C3 | 08I01845 | NIOSH 9002 | G081V009 | BULK |

I certify that this electronic image and all hardcopies produced from this image accurately represent the data and are in compliance with the contract specific requirements, both technically and for completeness, other than the conditions detailed above or in the sample data package narrative. Release, by submission through email, the data contained in this electronic image and the computer-readable EDD (as applicable), has been authorized by the laboratory Manager or the Manager's designee.

Name: Peter P. Steen Title: Chemist

Date: March 03, 2008

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Web Page: www.datachem.com

E-mail: lab@datachem.com



Case Narrative

Report Identification Number: 08I-0293-01

Subcontract Number: 000X-B0-G0058-B-MOD# 14

Name of Industrial Hygienist: Gwen Whatley / Ilene Strong / Garrett Knutson / Brain Fauver

Laboratory Identification Number: DCHM

SAF#: RC-103 / C00F44A000

Payroll#:

General Set Information: There was one sample in set 08I-0291-01 and one sample in set 08I-0293-01 which was analyzed for asbestos in bulk material. No problems were encountered with the receipt of these samples.

Method Summary: All samples were examined for homogeneity. Non-homogeneous samples were ground to ensure homogeneity. Distinct layers were analyzed separately. The samples were prepared and examined for asbestos fibers utilizing the procedures outlined in NIOSH method 9002 (4th edition). A polarizing light microscope equipped with a 10x and a 16x eyepiece was used for the analysis. The area percentage of asbestos was estimated microscopically by a visual estimation of the fibers with a length-to-width aspect ratio of 3:1 or greater. If present, asbestos identities were confirmed with the appropriate refractive index oils applying dispersion staining techniques.

Sample Preparation: All samples were prepared in accordance with NIOSH method 9002 (4th edition).

Initial and Continuing Calibration Verification Analysis: N/A

Initial and Continuing Calibration Blank Analysis: N/A

Method Blank Analysis: N/A

Dilution(s): N/A.

<u>Laboratory Control Sample and Duplicate Analysis:</u> One Laboratory Control Sample (LCS) was prepared and analyzed with the sample batch. The results were within the control limit of +/- one reporting range.

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Replicate Analysis: One sample was replicated with this analysis run.

Flagging Codes: None

Nonconformance/Corrective Action Report (NC/CAR): N/A





Case Narrative

Sample Calculation: Sample results are reported by a visual estimation of the area percentage of asbestos. If necessary, a gravimetric ashing procedure may be used to remove certain non-asbestos material from the sample; a percentage calculation is used to correct for the removal of the non-asbestos material.

Miscellaneous Comments:

08I01841: Gray, fibrous/corrugated wrap insulation. 08I01845: Tan, fibrous/chunky insulation material.

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Results

Report Identification Number: 08I-0293-01

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Name of Industrial Hygienist: Gwen Whatley / Ilene Strong / Garrett Knutson / Brain Fauver

Laboratory Identification Number: DCHM

SAF#: RC-103 / C00F44A000

Payroll#:

| Customer Sample Number | Laboratory Sample Number | Date Analyzed | Chrysotile | | Amosite % Asbesto | | Crocidolit | |
|------------------------|--------------------------------|------------------|------------|---|-------------------|---|------------|---|
| J169C3 | 08I01845 | 29 Feb 2008 | ND | U | ND | U | ND | U |
| | Limit of I | Detection (LOD) | | 1 | | 1 | | 1 |
| R | equired Detect | ion Limit (RDL) | | | | | | |

| Customer Sample Number | Laboratory Sample Number | Date Analyzed | Actinolite/Tremol % Asbestos | ite | Anthophylli % Asbesto | |
|------------------------|--------------------------------|------------------|------------------------------|-----|--------------------------|---|
| J169C3 | 08I01845 | 29 Feb 2008 | ND | U | ND | U |
| | Limit of I | Detection (LOD) | | 1 | | 1 |
| R | equired Detecti | ion Limit (RDL) | | | | |

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U - Parameter not detected above LOD.

J - Parameter between LOD and RDL.





QC Summary

Report Identification Number:

08I-0293-01

Subcontract Number: 000X-B0-G0058-B-MOD# 14

Name of Industrial Hygienist: Gwen Whatley / Ilene Strong / Garrett Knutson / Brain Fauver

Laboratory Identification Number:

DCHM

SAF: RC-103 / C00F44A000

Payroll#:

Ratch ID: G081V009

| QC Sample ID | QC Type | Analyte | Units | Result | Parent Result | Target | Percent Rec. | Relative Percent Diff. |
|--------------|------------|---------|-------|--------|------------------|--------|-----------------|------------------------------|
| QC 1001090 | BULK | AMOSITE | % | 3-<5 | | 7 | | |
| | | | | | | | | |

MB - Method Blank

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MSD - Matrix Spike Duplicate

LD - Laboratory Duplicate

NA - Not Applicable

ND - Parameter not detected above LOD

LCS, LCSD Percent Rec. = (Result / Target) * 100.0

MS, MSD Percent Rec. = ((Result – Parent) / Target) * 100.0

LCS, LCSD Relative Percent Diff. = ((|LCS - LCSD|) / ((LCS + LCSD)/2.0)) * 100.

MS, MSD Relative Percent Diff. = ((|MS - MSD|) / ((MS + MSD)/2.0)) * 100.

LD Relative Percent Diff. = ((|Parent - LD|)/((Parent + LD)/2.0)) * 100

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COC



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| 1 | Company Contact | _ | Telephone No. 372-9088 | ĵo. | | KESS | Project Coordinator KESSNER, JH | _ | Price Code 9K | <u>-</u> | hais Turnaround | |
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